

3.20 Applications of Vectors(odd answers)

1. Magnitude: 8.5 lb, $\theta = 69.4^\circ$, $\theta = 20.6^\circ$

3. Magnitude: 37.6 N, $\theta = 63^\circ$, $\theta = 37^\circ$

5. 81.5 N

7. 8.31 lb, $\theta = 111.6^\circ$, $\theta = 142.6^\circ$

9. 1368.1 lb

11. 241.9 mph, $\theta = 97.1^\circ$

13. 451 mph, $\theta = 108.2^\circ$

15. $\theta = 40.4^\circ$